

10/593145

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	
	)	
Yuichi OKU et al	)	Examiner:
	)	
Serial No: New PCT Application	)	
	)	Group Art Unit:
Filed: September 12, 2006	)	
	)	
For: KIT, DEVICE AND METHOD FOR	)	
ANALYZING BIOLOGICAL SUBSTANCE	)	

## INFORMATION DISCLOSURE STATEMENT - 37 CFR 1.97(b)(3)

## COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

It is respectfully requested that the examiner consider and cite of record the documents listed on the attached. Copies of the listed Japanese application publications are submitted herewith, along with English language abstracts therefor.

Eighteen of the listed documents are discussed as background art at pages 2-9 of applicants' substitute specification ("patent documents" 1-11 and "non-patent documents" 1-7) and the examiner's attention is directed to that discussion as a statement of the relevance of the documents. The other 8 documents are cited in the International Search Report.

Respectfully submitted,  
Bacon & Thomas

Date: September 18, 2006

  
George A. Loud  
Registration No. 25,814

Atty. Docket No.: OKUY3002/GAL

Customer Number **23364**

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B/O Form PTO-1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	Atty. Docket Number	Serial Number
	OKUY3002/GAL	10/593145 New Application
	Applicant	
	Yuichi OKU et al	
	Filing Date	Group
	New Application	

## U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate
	6,448,001	09-10-2002	Oku et al.	435	6	
	5,445,934	08-29-1995	Fodor et al.	435	6	
	5,807,522	09-15-1998	Brown et al.	422	50	

## Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
	1503174	10-26-1989	Japan			Abs	
	63273042	11-10-1988	Japan			Abs	
	2001004628	01-12-2001	Japan			Abs	
	WO 01/034302	05-17-2001	WIPO			Abs	
	WO 02065138	08-22-2002	WIPO			Abs	
	11187900	07-13-1999	Japan			Abs	

## Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

	Sato et al, Kiichi; Determination of Carcinoembryonic Antigen in Human Sera by Integrated Bead-Bed Immunoassay in a Microchip for Cancer Diagnosis; Analytical Chemistry, Vol. 73, No. 6, March 15, 2001, pp. 133-138
	Tokeshi et al, Manabu; Determination of Suboctomole Amounts of Nonfluorescent Molecules Using a Thermal Lens Microscope: Subsingle-Molecule Determination; Analytical Chemistry, Vol. 73, No. 9, May 1, 2001, pp. 49-53
	McCormick et al, Randy M.; Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates; Analytical Chemistry, Vol. 69, No. 14, July 15, 1997, pp. 2626-2630
	Ray et al, Arghya; Peptide nucleic acid (PNA): its medical and biotechnical applications and promise for the future; The FASEB Journal, Vol. 14, June 2000, pp. 1041-1060
	Nielsen et al, Christina B.; The Solution Structure of a Locked Nucleic Acid (LNA) Hybridized to DNA; Journal of Biomolecular Structure & Dynamics, Vol. 17, Issue No. 2, 1999, pp. 175-191

Examiner	Date Considered
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EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	OKUY3002/GAL	• New application
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	Yuichi OKU et al	10/593145
	New Application	Group

U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
	2000-356611	12-26-2000	Japan			Abs	
	WO 9508774	03-30-1995	WIPO			Abs	
	2003-156493	05-30-2003	Japan			Abs	
	2003-522963	07-29-2003	Japan			Abs	
	4273065	09-29-1992	Japan			Abs	
	2002-221485	08-09-2002	Japan			Abs	

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

		Molecular Cloning, second edition, Sambrook, Fritsch and Maniatis, Cold Spring Harbor Laboratory Press, 1989, 9.14-9.19
		Applied Biosystems DNA Synthesizer model 391, Use Manual "User Bulletin No. 50", August 26, 1988

Examiner	Date Considered
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	Applicant <b>Yuichi OKU et al</b>	
	Filing Date <b>New Application</b>	Group

## U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate

## Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
	10504962	05-19-1998	Japan			Abs	
	4204379	07-24-1992	Japan			Abs	
	7118291	05-09-1995	Japan			Abs	
	2002-214241	07-31-2002	Japan			Abs	

## Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)


Examiner /Jeffrey Lundgren/

Date Considered 11/09/2009

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